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| APPLICATION NO. FILING DATE | | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|-----------------------------|-----------------------|--------------------------|---------------------|-------------------------|------|
| 10/712,639 | 10/712,639 11/13/2003 | | Stephan Bolz | 071308.0486 | 8974 |
| 31625 | 7590 | 05/20/2005 | EXAM | EXAMINER | |
| BAKER BO | | | LAM, TUAN THIEU | | |
| PATENT DI 98 SAN JAC | | IENT LVD., SUITE 1500 | ART UNIT | PAPER NUMBER | |
| AUSTIN, T | X 78701 | 1-4039 | 2816 | | |
| | | | | DATE MAILED: 05/20/2005 | 5 |

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | A | pplication No. | Applicant(s) | | | | | |
|---|--|---|---|---|--------|--|--|--|--|
| Office Action Summary | | | 10/712,639 | BOLZ ET AL. | · | | | | |
| | | | xaminer | Art Unit | | | | | |
| | | T | uan T. Lam | 2816 | | | | | |
| | The MAILING DATE of this commun | nication appear | rs on the cover sheet with the c | orrespondence ad | dress | | | | |
| Period fo | • • | | | • | | | | | |
| THE - Exte after - If the - If NC - Failu Any | ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN nsions of time may be available under the provision: SIX (6) MONTHS from the mailing date of this come period for reply specified above is less than thirty (i) period for reply is specified above, the maximum s re to reply within the set or extended period for reply reply received by the Office later than three months ed patent term adjustment. See 37 CFR 1.704(b). | IICATION. s of 37 CFR 1.136(a munication. 30) days, a reply wit tatutory period will a y will, by statute, cau |). In no event, however, may a reply be tin hin the statutory minimum of thirty (30) day pply and will expire SIX (6) MONTHS from use the application to become ABANDONE | nely filed s will be considered timely the mailing date of this co D (35 U.S.C. § 133). | | | | | |
| Status | | | | | | | | | |
| 1) 又 | Responsive to communication(s) file | ed on 10 May | 2005. | | | | | | |
| 2a)□ | | | tion is non-final. | | | | | | |
| 3)□ | · _ | | | | | | | | |
| | closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. | | | | | | | | |
| Disposit | ion of Claims | | | | | | | | |
| 4)⊠ | 4)⊠ Claim(s) <u>1,4-19 and 22</u> is/are pending in the application. | | | | | | | | |
| | 4a) Of the above claim(s) is/are withdrawn from consideration. | | | | | | | | |
| | ☑ Claim(s) <u>1, 4-17</u> is/are allowed. ☑ Claim(s) <u>18,19 and 22</u> is/are rejected. | | | | | | | | |
| | | | | | | | | | |
| 7) | | | | | | | | | |
| 8) | Claim(s) are subject to restriction and/or election requirement. | | | | | | | | |
| Applicati | ion Papers | | | | | | | | |
| 9)[| The specification is objected to by the | ne Examiner. | | | | | | | |
| | 10)⊠ The drawing(s) filed on <u>13 November 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner. | | | | | | | | |
| | Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). | | | | | | | | |
| | Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). | | | | | | | | |
| 11) | The oath or declaration is objected t | o by the Exam | niner. Note the attached Office | Action or form PT | O-152. | | | | |
| Priority ι | ınder 35 U.S.C. § 119 | | | | | | | | |
| 12)🖂 | Acknowledgment is made of a claim | for foreign pri | ority under 35 U.S.C. § 119(a |)-(d) or (f). | | | | | |
| a)⊠ All b)□ Some * c)□ None of: | | | | | | | | | |
| | 1. Certified copies of the priority documents have been received. | | | | | | | | |
| | 2. Certified copies of the priority | documents h | ave been received in Applicati | on No | | | | | |
| | 3. Copies of the certified copies | of the priority | documents have been receive | ed in this National | Stage | | | | |
| | application from the Internation | onal Bureau (F | PCT Rule 17.2(a)). | | | | | | |
| * 5 | See the attached detailed Office action | on for a list of t | the certified copies not receive | ed. | | | | | |
| | | | • | | | | | | |
| Attachmen | • • | | · | | | | | | |
| | e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (I | DTO 049\ | 4) | | | | | | |
| 3) Infor | nation Disclosure Statement(s) (PTO-1449 o | r PTO/SB/08) | | ate Patent Application (PTC |)-152) | | | | |
| | r No(s)/Mail Date | • | 6) Other: | | | | | | |

DETAILED ACTION

This is a response to the amendment filed 5/10/2005. The amendment has been entered. Claims 1, 4-19 and 22 are pending and are under examination. The finality of the previous Office has been withdrawn in view of new grounds of rejection as follow.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 18-19 and 22 are rejected under 35 U.S.C. 102(e) as being anticipated by Nagata (USP 6,804,096), newly cited prior art.

Figure 4 shows a driver for driving an inductive load (2) comprising steps of connecting a load via a switching transistor implemented as N channel MOS power transistor (111) with a supply voltage (Vb), controllable switching means (110, 201a, 30, 32, 34,36,38, 40, 42, 117) for applying a potential exceeding the voltage of the supply voltage source (output of the charge pump) to the gate electrode of the switching transistor, wherein said switching means incorporate at least first, second and third transistor switching means (transistors 58, 36, 30) said first switching means transistor (58) having collector current flows at least in part to the gate electrode of the switching during ON state and connected as a current source, the first switching means transistor is connected as a current source is part of a current mirror circuit (transistors 57, 58 constitute a current mirror circuit), said third switching means transistor (30) having an

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emitter connected to the gate electrode of the switching transistor and collected connected via a leakage resistor (34) to the source electrode of the switching transistor as called for in claims 18 and 22.

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Regarding claim 19, the first switching means transistor flows to the gate electrode of the switching transistor via a diode (59) connected in the flow direction.

Allowable Subject Matter

3. Claims 1 and 4-17 are presently allowed.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T. Lam whose telephone number is 571-272-1744. The examiner can normally be reached on Monday to Friday (7:30 am to 6:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIMOTHY P. CALLAHAN can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tuan T. Lam Primary Examiner

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